GOVERNMENT OF THE
CENTRAL PROVINCES AND BERAR

ANNUAL REPORT

ON THE

MENTAL HOSPITAL, NAGPUR

IN THE

CENTRAL PROVINCES & BERAR

FOR THE YEAR

1941

NAGPUR
GOVERNMENT PRINTING, C. P. & BERAR
1942

[Price—Annas eight]

The longest residence prior to death was 45 years and the shortest was four months.

Prophylactic measures against plague, cholera, smallpox were taken as usual. Amongst the resident patients 112 were treated for ankylostoma and 16.66 per cent were found infected among new admissions.

The death rate per cent for 1941 in Mental Hospitals in other provinces in India is shown below :—

Bombay	..	..	8.50
Madras	..	..	7.29
Punjab	..	..	4.55
Assam	..	..	8.65
Ranchi European Mental Hospital		..	7.28
Ranchi Indian Mental Hospital		..	3·25

6. **Hydrotherapy and special treatment.**—Twenty-five cases were treated by hydrotherapy with success. Nineteen cases were treated by histamine combined with insulin of which five were discharged as cured and the rest are still under treatment.

Cardiazol treatment was given with success to few cases but had to be given up on account of the uncertainty of the availability of the drug. Its substitute corasol is being tried.

Acetylcholine was used in one case with success. The use of this drug as well as of hypo-glycaemic treatment by insulin had unfortunately to be postponed for want of a properly equipped laboratory, the construction of which is receiving attention.

Organotherapy is tried in suitable cases.

Dental treatment of patients.—Mr. D. M. Kuntay, L.M.P., L.D.Sc., was in charge throughout the year. The total number attended to, both old and new cases, was 2,817.

Occupational therapy.—Excepting the infirm and sick patients others were engaged in agriculture, gardening, road making, weaving and dairy.

Amusements.—Besides providing the suitable patients with out-door games, etc., one cinema show was given with the kind help of the Agricultural Department. This was much appreciated by the patients specially as the majority of them were agriculturists themselves. Besides, selected patients were entertained by taking them out for cinema shows in the town.

7. **Cases under observation (Statement No. II).**—Seven cases were under observation on the 1st January 1941. Sixty cases including 6 re-admissions were admitted for observation. Of these 31 were certified as insane, 7 although certified were released under section 14 of the Lunacy Act, 12 were discharged as cured, 8 criminal cases were remanded to jail as they did not exhibit signs of insanity, 2 died and 7 remained at the close of the year.

8. **Criminal insane and insane criminals (Statement No. III).**—The number of criminal insane and insane criminals at the beginning of the year was 124 males and 16 females, total 140.

The number admitted during the year was 24 [24] males and 4 [1] females, total 28. Thirteen were discharged, six died and the number at the close of the year was 130 males and 19 females, total 149.

9. **Religion, sex and residence (Statement No. IV), age (Statement No. V) and form of mental disorder (Statement No. VI).**—These need no special comment.

10. **Probable cause of insanity (Statement No. VII).**—History being defective the probable cause of insanity could not be ascertained in a large number of cases.

11. **Finance (Statement No. VIII).**—The total amount spent for the upkeep of the hospital was Rs. 1,36,240 inclusive of Public Works Department charges amounting to Rs. 2,764 in round figures. Exclusive of the Public Works Department charges the total amount spent is Rs. 1,33,476 [Rs. 1,21,139]. The average cost for diet, clothing and bedding per patient per mensem was Rs. 8-2-8 [Rs. 7-3-11] and inclusive of treatment, care and control the cost was Rs. 171-4-11 [Rs. 163-12-0] per patient per annum. The increase in maintenance cost is due mostly to higher prevailing rates of commodities and increased staff.

12. **General.**—Before finally discharging patients as "cured" a number of them were permitted to work on parole in the gardens, etc., without any supervision, and selected few were permitted even to take a walk in the city. I am glad to note that this system is working satisfactorily.

13. **Visitors.**—Official and non-official visitors attended the monthly meetings regularly.

14. **Administration.**—Mr. J. Roy, M.B., D.P.M (Eng.), was in charge throughout the year. Mr. A. K. Sen Gupta, M.B., B.S., has been Deputy Superintendent from 6th September 1941, *vice* Mr. G. D. Pimpalkar, M.B.,B.S., transferred.

J. B. HANCE, COL. I.M.S.,
Inspector-General of Civil Hospitals,
C. P. & Berar.

NAGPUR :
The 6*th March* 1942.

[illegible] number of lunatics during the year was [illegible] males and 14 females, total 28. Thirteen were discharged, six died and the number at the close of the year was 100 males and 49 females, total 149.

9. Religion, sex and residence (Statement No. IV), age (Statement No. V) and form of mental disorder (Statement No. VI). These need no special comment.

10. Probable cause of insanity (Statement No. VII).—History being defective the probable cause of insanity could not be ascertained in a large number of cases.

11. Finance (Statement No. VIII).—The total amount spent on the upkeep of the hospital was Rs. 1,50,710 inclusive of Public Works Department charges amounting to Rs. 2,704. [illegible] Exclusive of the Public Works Department charges the total amount spent is Rs. 1,48,006 (Rs. [illegible]). The average cost of diet, clothing and bedding per patient per annum was Rs. 82-3 (Rs. [illegible]) and inclusive of treatment, care and control the cost was Rs. 175-11-7 (Rs. [illegible]) per patient per annum. The increase in the above costs was due mostly to higher prices of commodities and increased staff.

12. General.—Before finally discharging patients as "cured" a number of them were permitted to work on parole in the garden, etc., without any supervision, and selected ones were permitted even to take a walk in the city. I am glad to note that this was a very working arrangement.

13. Visitors.—Official and non-official visitors attended the monthly meetings regularly.

14. Administration.—Mr. [illegible] Roy, M.B., D.P.M. (Eng.), remained in charge throughout the year. Mr. A. K. Sen Gupta, M.B., B.S., was Deputy Superintendent from 6th September 1941, vice Mr. C. D. Pimpalkar, M.B., B.S., transferred.

[illegible] H. [illegible], Col., I.M.S.,
Inspector-General of Civil Hospitals,
C. P. & Berar.

NAGPUR:
The 6th March 1942.

STATISTICAL STATEMENTS

STATEMENT No. I.—Showing admissions, etc., of patients in the Mental Hospital, Nagpur, during the year 1941, *and totals for two previous years.*

—	1941			1940			1939		
	Male	Fem.	Total	Male	Fem.	Total	Male	Fem.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Remained on the 1st January	411	108	519	404	104	508	391	102	493
2. Admitted ..	74	16	90	92	20	112	102	16	118
3. Re-admitted ..	5	1	6	1	1	2	1	1	2
4. Total population ..	490	125	615	497	125	622	494	119	613
5. Discharged—									
A.—Cured ..	47	8	55	45	6	51	57	7	64
B.—Transferred to—									
Improved ..	2	..	2	2	1	3	7	..	7
Not improved ..	2	..	2	..	..	..	..	..	..
C.—Otherwise ..	2	2	4	9	2	11	9	1	10
D.—Total ..	53	10	63	56	9	65	73	8	81
6. Died ..	21	4	25	30	8	38	17	7	24
7. Remaining on the 31st December.	416	111	527	411	108	519	404	104	508
8. Daily average strength ..	416·57	109·14	525·71	403·41	107·49	510·90	403·43	104·60	508·03
9. Daily average sick ..	17·22	2·64	19·86	16·27	3·95	20·12	9·96	5·86	15·82
10. Percentage to—									
Daily average strength—									
A.—Cured ..	11·28	7·33	10·46	11·15	5·58	9·98	14·13	6·69	12·60
B.—Died ..	5·04	3·66	4·75	7·44	7·44	7·44	4·21	6·69	4·72
Admissions and re-admissions—									
C.—Cured ..	27·85	41·17	30·21	17·20	19·05	17·61	25·24	29·41	25·83
D.—Died ..	2·53	..	2·08	5·38	4·76	5·26	1·94	5·88	2·50

NOTE.—Observation cases are not included.

The capacity of the Nagpur Mental Hospital is at 54 superficial feet per patient, for 458 males and for 142 females, total 600.

The maximum number of patients confined on any one night during the year was 424 males and 110 females, total 534.

The maximum number of patients confined on any one night during the year 1940 was 410 males and 104 females, total 514.

The maximum number of patients confined on any one night during the year 1939 was 402 males and 106 females, total 508.

STATEMENT No. II.—Showing cases admitted for observation in the Mental Hospital, Nagpur, during the year 1941, and totals for two previous years.

	1941			1940			1939		
	Male	Fem.	Total	Male	Fem.	Total	Male	Fem.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Remained on the 1st January.	6	1	7	3	1	4	7	2	9
2. Admitted ..	42	12	54	48	9	57	42	12	54
3 Re-admitted ..	4	2	6	1	1	2	2	..	2
4. Certified and admitted into the Mental Hospital.	20	11	31	22	7	29	29	9	38
5. Certified and released under section 14, Act IV of 1912.	6	1	7	3	1	4	1	2	3
6. Released as uncertifiable ..	18	2	20	21	2	23	17	2	19
7. Died ..	2	..	2	..	..	..	1	..	1
8. Remaining on the 31st December.	6	1	7	6	1	7	3	1	4

STATEMENT No. III.—Return of criminal patients in the Mental Hospital Nagpur, for the year 1941, and totals for two previous years.

—	1941			1940			1939		
	Male	Fem.	Total	Male	Fem.	Total	Male	Fem.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Remained on the 1st January	124	16	140	126	17	143	123	17	140
2. Admitted ..	24	4	28	24	1	25	25	1	26
3. Re-admitted ..	..	..	..	..	..	..	1	..	1
4. Total ..	148	20	168	150	18	168	149	18	167
5. Discharged, transferred, etc.	13	..	13	18	2	20	20	1	21
6. Died ..	5	1	6	8	..	8	3	..	3
7. Remaining on the 31st December.	130	19	149	124	16	140	126	17	143
8. Daily average strength ..	131·53	18·48	150·01	122·87	16·33	139·20	126·44	16·54	142·98

NOTE.—Figures exhibited exclude observation cases.

STATEMENT No. IV.—Showing the religion, sex and residence of patients admitted into the Mental Hospital, Nagpur, during the year 1941, and totals for two previous years.

District	Hindus			Muhammadans			Christians						Other castes			Totals		
							Europeans and Anglo-Indians			Indians								
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Akola ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Amraoti ..	5	..	5	..	..	..	..	..	..	..	..	..	..	..	..	5	..	5
Balaghat ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Betul ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Bhandara ..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
Bilaspur ..	3	..	3	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3
Chanda ..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
Chhindwara ..	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
Hoshangabad ..	4	..	4	..	..	..	..	..	..	1	..	1	..	..	..	5	..	5
Jubbulpore ..	2	1	3	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3
Nagpur ..	13	8	21	1	1	2	..	..	..	..	..	..	..	..	..	14	9	23
Nimar ..	2	..	2	..	..	..	..	..	..	1	..	1	..	..	..	3	..	3
Raipur ..	1	2	3	..	..	..	..	..	..	1	..	1	..	..	..	2	2	4

Saugor ..	4	..	4	..	..	..	..	..	..	..	..	..	..	..	..	4	..	4
Wardha ..	7	..	7	..	..	..	..	..	..	..	..	..	..	..	..	7	..	7
Yeotmal ..	6	..	6	..	..	..	..	..	..	..	..	..	..	..	..	6	..	6
Buldana ..	2	1	3	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3
Drug .	4	1	5	..	..	..	..	..	..	1	..	1	..	..	..	5	1	6
Mandla ..	3	..	3	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3
Damoh ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Madras Presidency..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Bombay Presidency..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1	..	2	2
Baster state ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Delhi ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Bengal Presidency ..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	2	..	2
Ajaigarh State ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Orissa Province ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Punjab ..	1	..	1	..	..	.	..	..	..	..	..	..	..	..	..	1	..	1
Bhopal State ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Total ..	72	15	87	3	1	4	..	..	..	4	..	4	..	1	1	79	17	96
Figures for 1940	74	19	93	16	1	17	..	..	..	3	1	4	..	..	..	93	21	114
Figures for 1939	84	14	98	18	3	21	..	..	..	1	..	1	..	..	..	103	17	120

STATEMENT No. V.—Showing the ages of patients admitted into the Mental Hospital, Nagpur, during the year 1941, and totals for two previous years.

--	1941			1940			1939		
	Male	Fem.	Total	Male	Fem.	Total	Male	Fem.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Under 20 ..	4	2	6	5	2	7	2	..	2
2. From 20 to 40 ..	50	13	63	78	16	94	80	14	94
3. From 40 to 60 ..	24	3	27	10	3	13	21	3	24
4. Upwards of 60 ..	..	..	..	..	..	..	..	..	..
5. Total ..	78	18	96	93	21	114	103	17	120

NOTE.—Figures exhibited exclude observation cases.

STATEMENT No. VI

STATEMENT No. VI.—Showing the form of mental disorder in the admissions, discharges, recoveries and deaths among the patients in the Mental Hospital, Nagpur, during the year ending the 31*st December* 1941.

Form of mental disorder	Remaining on 31st December of the preceding year			Admissions during the year			Total			Discharges						Deaths			Remaining on the 31st December 1941		
										Recoveries			Otherwise								
(M.—Male. F.—Female. T.—Total)	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Mental deficiency ..	55	9	64	3	1	4	58	10	68	..	..	.	..	..	..	1	..	1	57	10	67
2. Manic depressive insanity ..	61	12	73	19	3	22	80	15	95	19	2	21	1	..	1	4	..	4	59	14	73*
3. Mania ..	59	15	74	22	4	26	81	19	100	17	3	20	1	..	1	7	2	9	56	14	70
4. Melancholia ..	45	11	56	1	2	3	46	13	59	1	..	1	..	..	..	3	..	3	42	13	55
5. Schizophrenia including dementia praecox.	91	18	109	15	..	15	106	18	124	3	..	3	2	1	3	4	..	4	97	17	114
6. Secondary dementia ..	5	2	7	..	..	..	5	2	7	..	..	..	..	..	..	..	1	1	5	1	6
7. Paranoia and paranoid states ..	31	3	34	4	1	5	35	4	39	2	..	2	..	1	1	..	..	..	33	3	36
8. Epilepsy and epileptic insanity ..	27	12	39	1	..	1	28	12	40	..	..	..	1	..	1	2	1	3	25	11	36
9. Toxic psychosis— ..																					
(*a*) Acute confusional insanity	2	1	3	4	3	7	6	4	10	1	1	2	1	..	1	..	..	..	4	3	7
(*b*) A'coholic psychosis ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(*c*) Cannabis indicae psychosis ..	6	..	6	1	..	1	7	..	7	1	.	1	..	..	..	..	..	..	6	..	6

(*d*) Of endocrine origin ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(*e*) In relation to child-bearing	..	15	15	..	..	..	..	15	15	..	..	..	..	..	..	..	..	..	..	15	15
(*f*) In relation to other constitutional diseases.	1	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1
10. Organic psychosis—																					
(*a*) General ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(*b*) Cerebral syphilis ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(*c*) Arteriopathis and senile psychosis.	11	8	19	..	..	..	11	8	19	..	..	..	..	..	..	..	..	..	11	8	19
(*d*) Encephalitis ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(*e*) Other cerebral lesions ..	1	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1
11. Neurosis and psychoneurosis ..	..	1	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1
12. No appreciable disease ..	16	1	17	9	3	12	25	4	29	3	2	5	..	..	..	..	..	..	19	1	20*
13. Not yet diagonized (discharged before certification).	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	411	108	519	79	17	96	490	125	615	47	8	55	6	2	8	21	4	25	416	111	527

NOTE.—Observation cases are excluded from this statement.

*Three male criminal patients and one female criminal patient who had recovered but being criminal insanes were not discharged as their cases are governed by section 471 (1), Criminal Procedure Code, and section 30 (1) of Prisoners Act, respectively, were included in item 12. As they have relapsed they are now transferred to their disease column, *viz.*, item 2. This explains the apparent discrepancy under disease columns 2 and 12, remaining on the 31st December 1941.

STATEMENT No. VII.—Showing the probable cause of insanity in the patients admitted into the Mental Hospital, Nagpur, during the year ending the 31st December 1941.

Cause of insanity	Predisposing causes			Exciting causes			Total		
	Male	Fem.	Total	Male	Fem.	Total	Male	Fem.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Mental Stress.									
Moral ..	..	..	..	1	..	1	1	..	1
Business worry ..	..	..	..	2	..	2	2	..	2
Domestic worry ..	..	..	..	3	2	5	3	2	5
Stress of military service ..	..	..	..	..	..	..	..	..	..
Toxins.									
Canabia indica ..	2	..	2	3	..	3	5	..	5
Alcohol ..	..	..	..	1	..	1	1	..	1
Other toxins ..	..	..	..	..	..	..	..	..	..
Physical ..	..	1	1	11	..	11	11	1	12
Opium ..	..	..	..	..	..	..	..	..	..
Bodily illness ..	..	..	..	..	..	..	..	..	..
Pregnancy ..	..	..	..	..	..	..	..	..	..
Child-birth ..	..	..	..	..	1	1	..	1	1
Climateric ..	..	..	..	..	3	3	..	3	3
Epilepsy ..	..	..	..	2	..	2	2	..	2
Head injuries ..	..	..	..	..	..	..	..	..	..
Infections.									
Encephalitis lethargica ..	..	..	..	..	..	..	..	..	..
Influenza ..	..	..	..	..	..	..	..	..	..
Syphilis ..	..	..	..	..	..	..	..	..	..
Other infections ..	1	..	1	1	..	1	2	..	2
Old age ..	..	..	..	..	..	..	..	..	..
Hereditary predisposition ..	12	2	14	2	1	3	14	3	17
Previous attacks ..	12	7	19	..	..	..	12	7	19
Unascertained ..	53	8	61	54	10	64	107	18	125
Total ..	*80	18*	98*	80*	17	97	160	35	195

*There were more than one pre-disposing and exciting causes.

STATEMENT No. VIII.—Cash Account of the Mental Hospital, Nagpur for the year 1941 and totals for two previous years.

(1)	1941 (2)			1940 (3)			1939 (4)		
	Rs.	a.	p.	Rs.	a.	p.	Rs.	a.	p.
Receipts									
1. Received from treasury ..	1,04,449	4	10	93,558	14	9	92,067	3	10
2. Received from paying patients ..	10,522	0	0	10,903	15	10	12,130	2	1
3. Value of stores received from the manufacturing department *less* costs of raw materials.	15,426	3	6	13,742	8	9	13,778	4	6
4. Book receipts, *i.e.*, the total of expenditure entered in columns 11, 12 and 13.	3,950	6	3	5,704	9	6	23,402	14	9
5. Miscellaneous receipts ..	1,891	11	9	1,246	5	3	1,375	2	9
6. Total ..	1,36,239	10	4	1,25,156	6	1	1,47,753	11	11
Charges									
1. Establishment—									
Establishment proper ..	30,641	12	0	29,431	14	0	28,817	6	0
Superintendence ..	15,540	0	0	14,731	5	0	15,007	8	0
2. Diet ..	40,091	1	3	37,063	14	9	33,945	8	11
3. Clothing and bedding ..	11,455	3	6	7,357	6	6	6,966	3	9
4. Bazar medicines ..	..			..			..		
5. Contingencies proper ..	17,517	15	7	15,703	7	3	16,354	9	8
6. Repairs and maintenance ..	..			..			..		
7. Rates and taxes ..	4,629	8	0	3,013	8	0	4,754	4	0
8. Remitted to treasury on account of paying patients, etc.	10,522	0	0	10,903	15	10	12,130	2	1
9. Miscellaneous items ..	1,891	11	9	1,246	5	3	1,375	2	9
10. Total of columns 1 to 9 ..	1,32,289	4	1	1,19,451	12	7	1,19,350	13	
Book charges									
11. Charges on account of work done by the Public Works Department	2,764	0	0	4,017	8	6	22,200	7	9
12. Cost of printed forms and stationery.	..			..			..		
13. Cost of English stores, medicines, etc.	1,186	6	3	1,687	1	0	1,202	7	0
14. Totals of columns 10 to 13 .	1,36,239	10	4	1,25,156	6	1	1,42,753	11	11

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